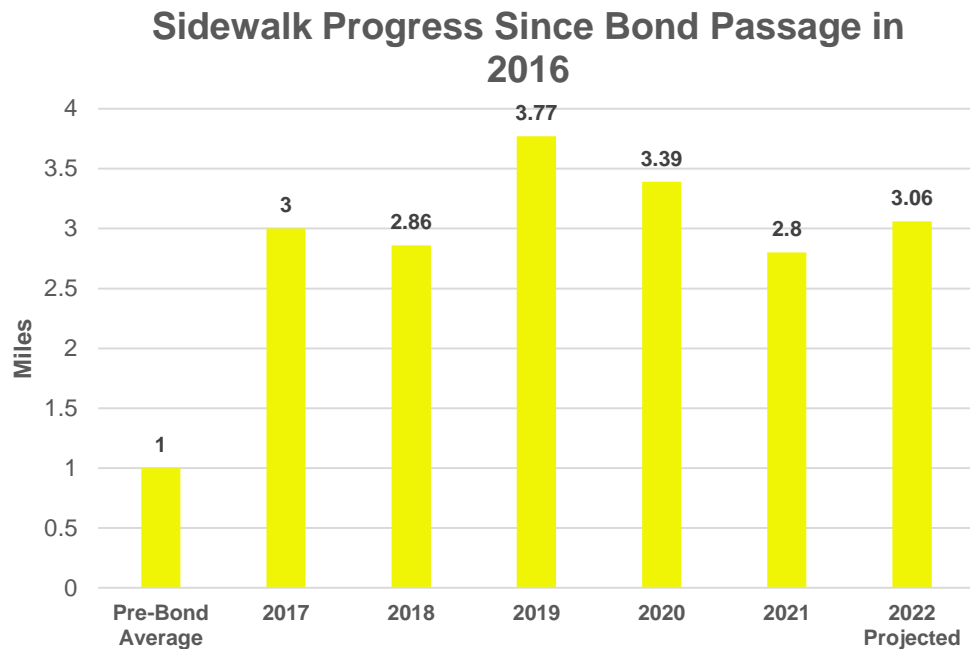
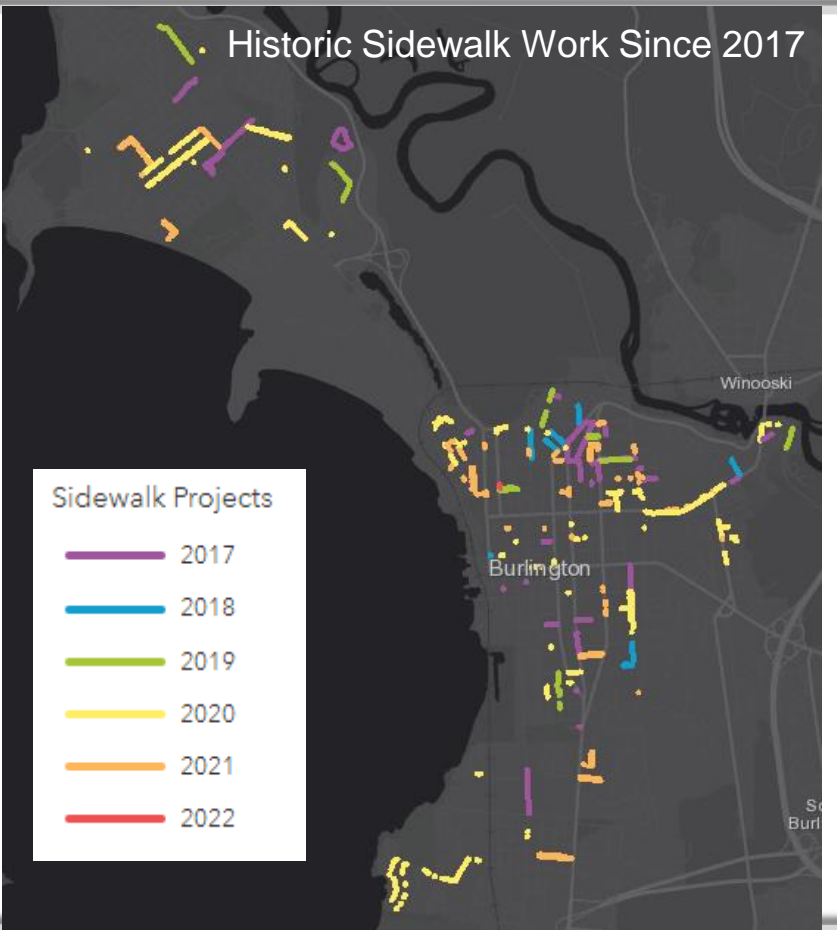


Sidewalk Reconstruction Under Sustainable Infrastructure Plan



- **15.82 miles of sidewalk replaced since passage of 2016 Bond (not including 2022).**
- **Sidewalk network is 130 miles.**
- **Current trajectory keeps us on the 40 year replacement cycle.**

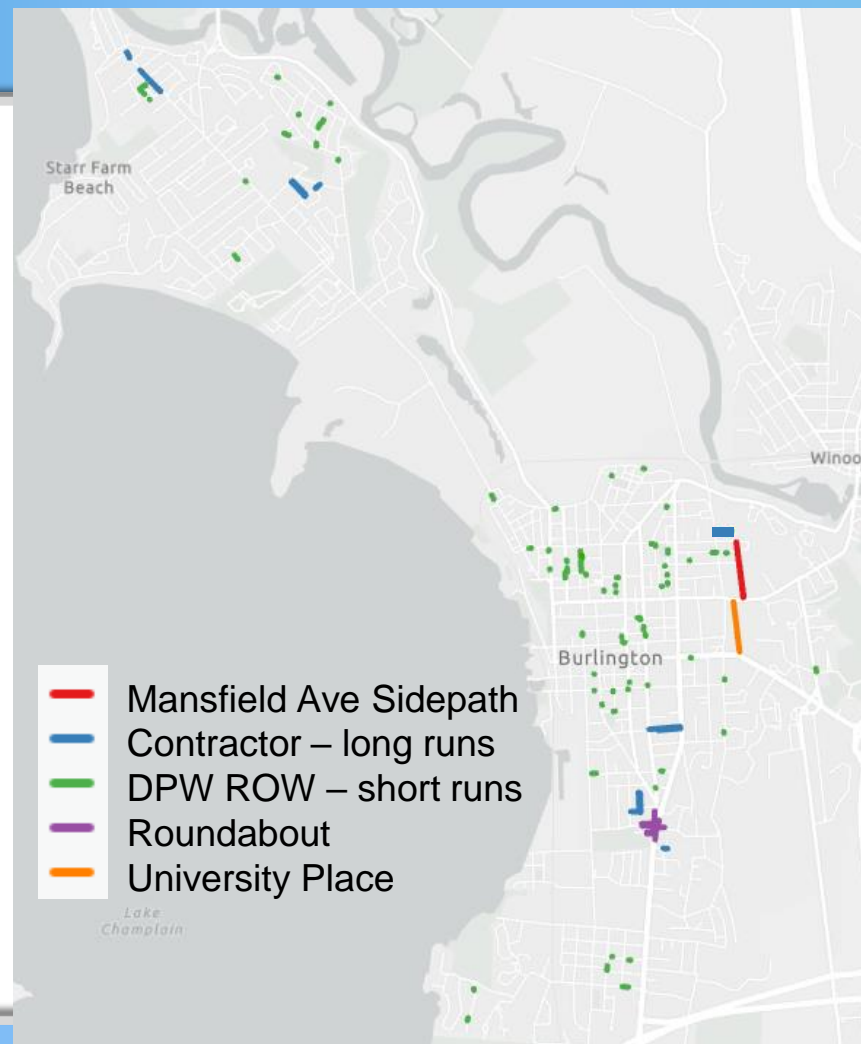


2022 Sidewalk Work Plan



Contractor Long Run List

Street	Limits	Linear Footage
Spruce St	Willard - Union: North Side, South Side Partial	1635
North Ave	Simms – Northgate	753
Ledgemere/Margaret	All, North Side partial	1150
Marshall Dr	Gosse - Heineberg, both sides	1300
Prospect Hill	All	690



Sidewalk Inventory Scoring

Sidewalk Condition Index = Barrier Score + Activity/Equity Score

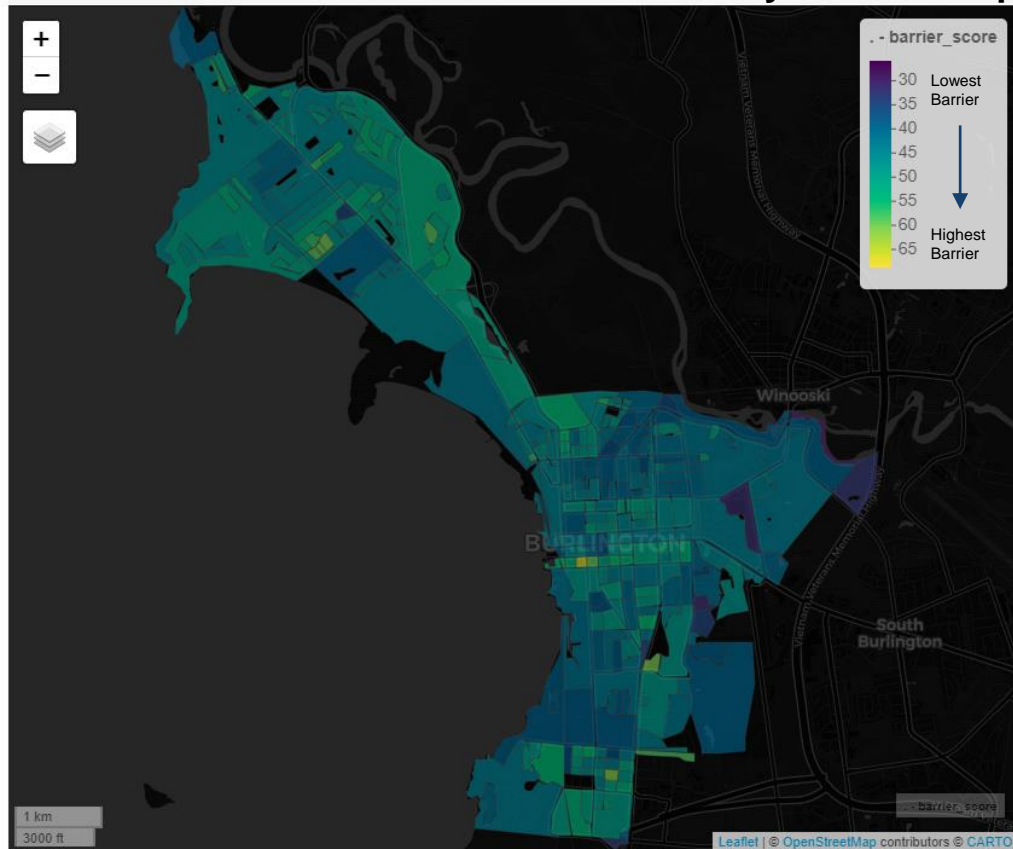
Combines deficiencies of a sidewalk section with the anticipated usage by pedestrians

Barrier Score = Raw Condition of a Sidewalk Panel

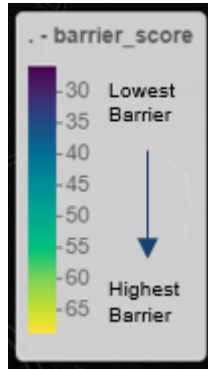
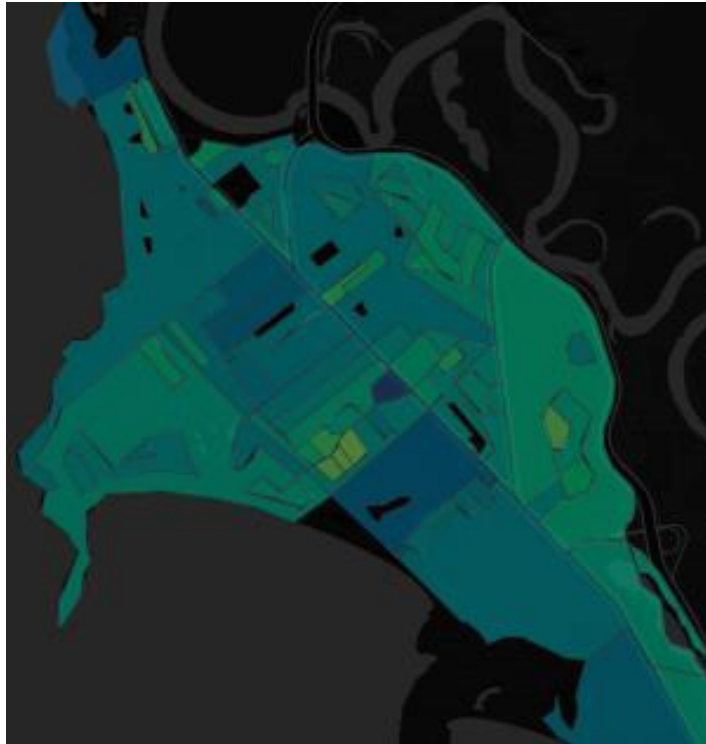
2022 Barrier Score Factors

- Heaving
- Cross Slope
- Running Slope
- Puddling
- **Roughness**
- **Gapping**

Barrier Score by Block Group



Barrier Score by Block Group



Good



Satisfactory



Poor



Serious



	2021
Good	51.9 miles
Satisfactory	58.8 miles
Poor	19.2 miles
Serious	3.2 miles
Average Score	Satisfactory

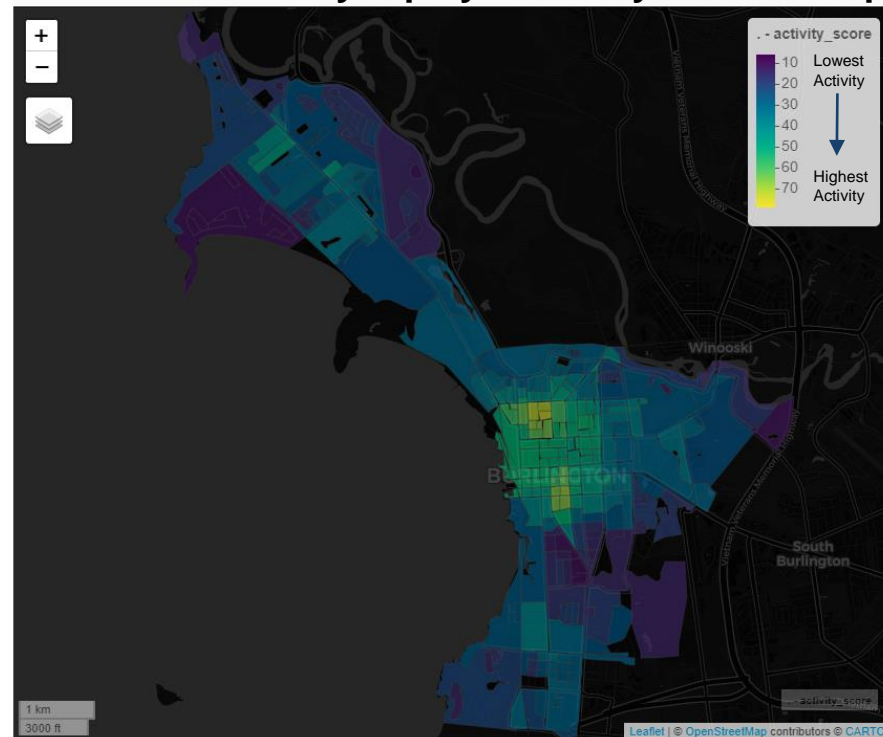
Activity & Equity Score – Anticipated Potential for Pedestrian Use

Adapted to City's current transportation goals in recognition of current communities.
Added criteria shown in red.

2022 Activity/Equity Score (with room to expand)

- Transit Stops
- School Proximity
- Park Proximity
- City Attraction
- Pedestrian Generator
 - Senior, Community, Medical, or Employment Center
- **Downtown District**
- **Mobility Challenges**
 - **Age and neurodiverse populations**
- **High Minority Population**
- **High Low Income Population**
- **High No Vehicle Households**

Activity/Equity Score By Block Group



Blocks – long runs

Group 1

Barrier

- ½ Mile
- Highest proportion of high Barrier Score

Group 2

Barrier + Activity/Equity

- 1 ½ Miles
- Highest proportion of remaining high Total Score
- Best 50% of Barrier scores not prioritized regardless of Activity/Equity

Segments – short runs

Group 3

Barrier

- ½ Mile
- Highest remaining Barrier Score

Group 4

Barrier + Activity/Equity

- ½ Mile
- Highest remaining Total Score
- Best 50% of Barrier scores not prioritized regardless of Activity/Equity



Step 1: Assign Weights

Enter Weights & View Scores

View Scores

To begin exploring the tool, click the 'View Scores' button to the left. This allows the user to begin visualizing and exploring the dataset. You must click this button before exploring the other sections of the tool. If desired, the user has the ability to enter different values into the category weights and then click the 'View Scores' button again to view the updated data. You can download the data as a shapefile or as csv by hitting the Download Data buttons. Scroll downward to see the full dataset with photos.

Barrier Score Weights

Minor Heaving

15

Major Heaving

30

Cross Slope Low

8

Cross Slope Medium

16

Cross Slope High

24

Running Slope Low

8

Running Slope Medium

13

Running Slope High

18

Roughness Low

10

Roughness Med-Low

18

Roughness Med-High

20

Roughness High

28

100%

Total Barrier Weight (Max)
(%)

Activity Score Weights

Transit Stops

6

Schools

12

Neighborhood Activity Center

10

Parks

6

Employment Attractors

10

Downtown

10

Senior Center

6

Elderly Population (High)

10

Minority Population (High)

10

Low-Income Population (High)

10

No Vehicle Households (High)

10

100%

Total Activity Weight (%)

Step 2: Analyze Output – By Block

Street Priorities

Show 10 entries

Search:

Street Name	Priority	Percent of Bad Segments	Number of Bad Segments	Total Segments	Activity Score	Distance (Feet)	Group
PINE ST	1	63.24%	43	68		662.6	Group 1
POPLAR ST	2	58.02%	47	81		768.8	Group 1
CANFIELD ST	3	57.78%	26	45		425.6	Group 1
SARATOGA AVE	4	57.14%	32	56		541.2	Group 1
NORTH AVE	5	53.85%	14	26		274	Group 1
SPRUCE CT	6	53.66%	22	41		390.2	Group 1
HOME AVE	7	50.00%	15	30		283	Group 1
OAK BEACH DR	7	50.00%	13	26		255.6	Group 1
CHURCH ST	8	46.15%	30	65		620.9	Group 1
BENNINGTON CT	9	45.61%	26	57		550.7	Group 1

Showing 1 to 10 of 33 entries

Previous

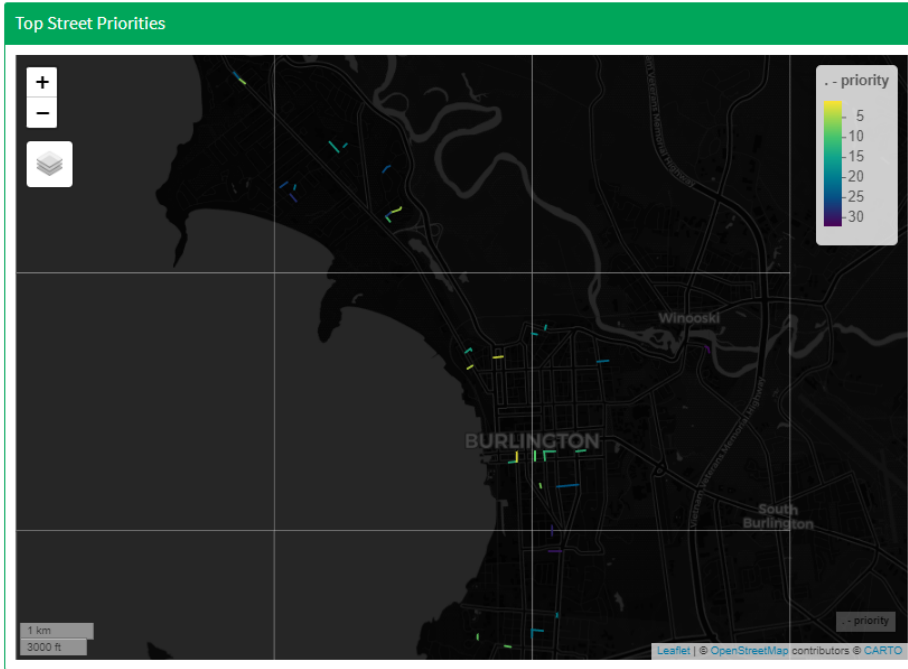
1

2




3

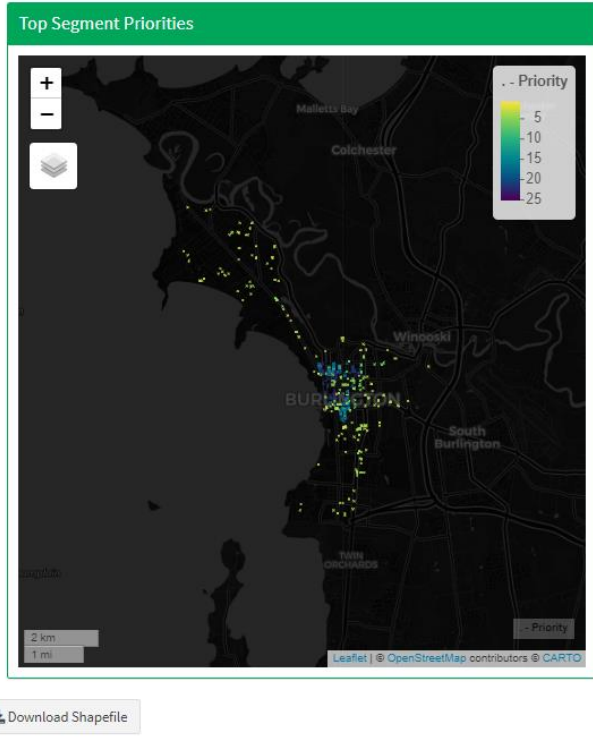
4

Next



Step 3: Analyze Output – By Segment

Segment Priorities							
Show <input type="text" value="10"/> entries		Search: <input type="text"/>					
	Segment ID	Location	Priority	Total Score	Activity Score	Barrier	Group
	40231	210-214 COLLEGE ST	1	164	64	100	Group 3
	55726	197-209 BATTERY ST	1	158	58	100	Group 3
	23318	362 NORTH WINOOSKI AVE	1	152	52	100	Group 3



- Inventory QA/QC
- Site visits
- Resident reports: Calls, SCF, emails, etc.
- Coordination: Private or City funded
 - Avoid replacing sidewalks within planned work from other projects
- Logistics – Budget, Constructability, Efficiency

New Short Run Repair on N Champlain St



FPF & Signage will let neighbors know when work is about to start

https://frontporchforum.com/

Published

Sidewalk Repairs on Murray & N Champlain to Begin Soon

ONE Central - No. 5461 • Customer Service • Dept. of Public Works, Burlington
Posted to: ONE Central
Apr 6, 2022

Announcement

DPW crews will begin sidewalk spot repairs as early as Monday. This work will occur on:

- North Champlain Street between North Street and Peru St.
- Murray Street between North St and Peru St.

****DETAILS****

Work takes place Monday - Friday, 7AM-3PM. Construction schedules can change due to weather circumstances, and we thank you for your patience. There may be occasional gaps in work.

****IMPACTS****

- There will be stretches of the street where parking may be prohibited at times during work hours. Any on-street signage.
- Properties with any sidewalk in front of driveways will be given at least 24 hours advance notice of Impacts.
- The limits of work extend to 1 foot on either side of the sidewalk. Please ensure that any personal possessions, including flowers, etc are clear from the work zone during this project.

With the additional public support for infrastructure work, we are continuing our efforts at the enhanced rebuilding of our 130 mile sidewalk network. You can learn about the projects we have planned at <http://burlingtonvt.gov/construction> (still in the process of being updated for 2022).

Thank you for your patience during this project. For any questions, please feel free to reach out to customer service at 802-863-9094 or dpw-pinecustomerservice@burlingtonvt.gov.

Freshly Poured Concrete on Murray St



New Sidewalk



- Prioritized by:
 - Activity/Equity score
 - No sidewalk on either side of street
 - Staff input and QA/QC
- Funded through State/Federal grants
- Past: Cliff St, Flynn Ave, Colchester Ave, Saratoga Ave
- Current: Intervale Road Shared Use Path, Lake St Shared Use Path

